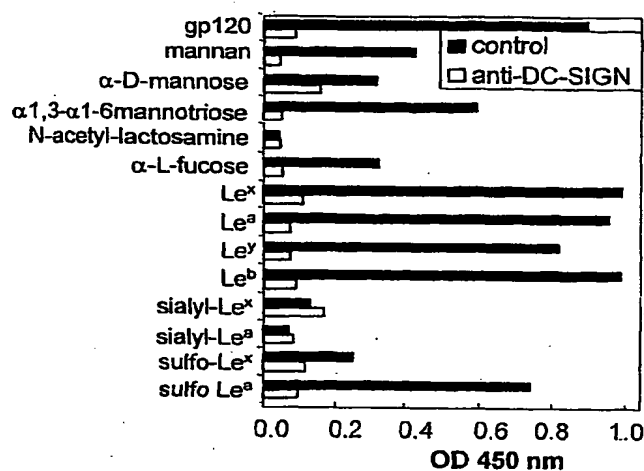
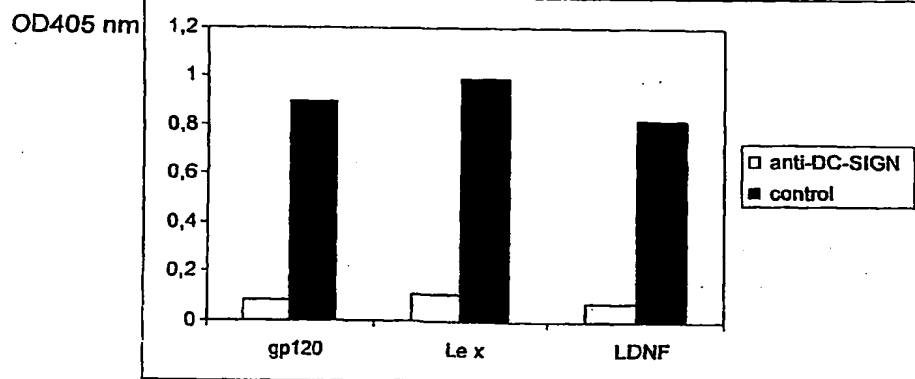


Fig. 1

B



C



D

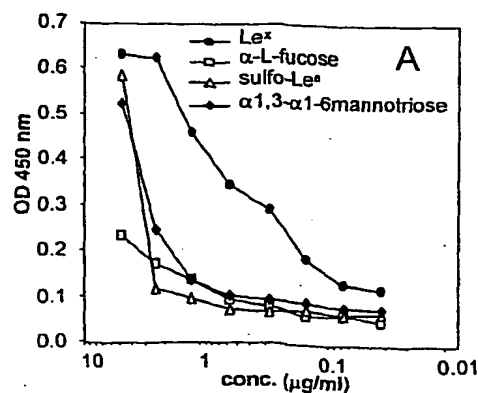


Fig. 4

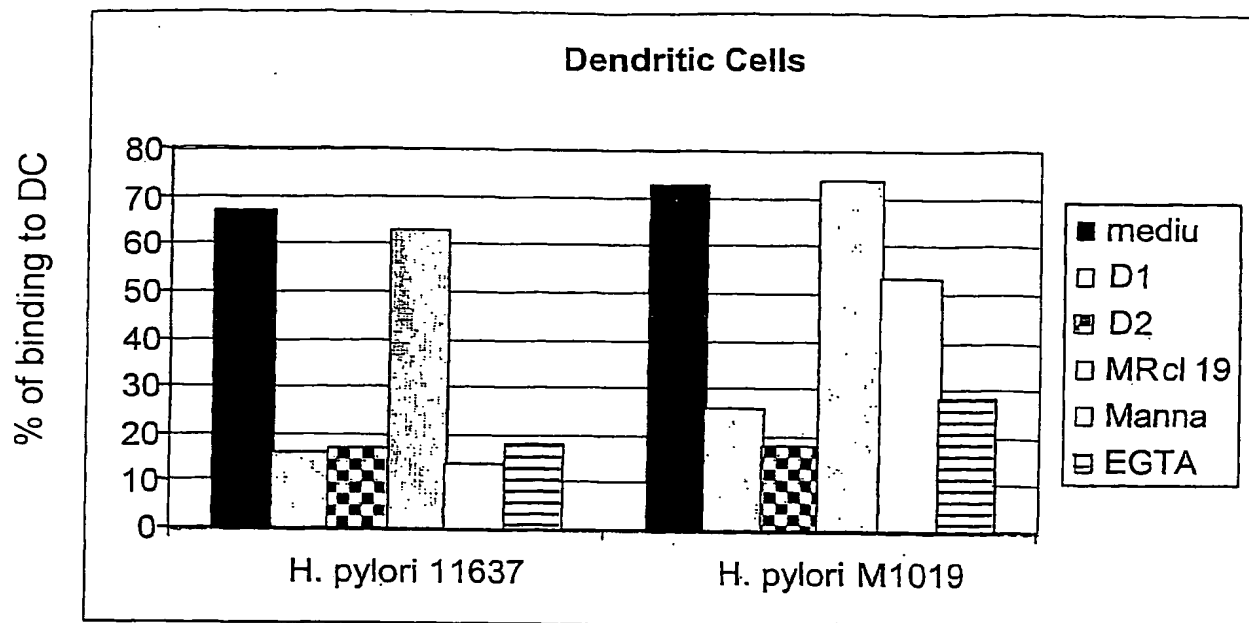


Fig. 19

A

[illegible]

Fig. 44

LPS phase variation in *H. pylori* occurs in vivo.

a	Strain	Number of colonies (%)	Serotype				
			Le ^y	mono-Le ^x	(Le ^x) _n	i-antigen	H type 1
	J223.3	6/30 (20)	+++	-	++	++	+++
	J223.8	24/30 (80)	-	-	-	+++	+++

b	Strain	Length of C-tract in gene		Serotype				
		<i>futA</i>	<i>futB</i>	Le ^y	mono-Le ^x	(Le ^x) _n	i-antigen	H type 1
	J223.3	n=9 ("off")	n=10 ("on")	+++	-	++	++	+++
	J223.8	n=9 ("off")	n=9 ("off")	-	-	-	+++	+++
	J223.3 Δ <i>futB</i>	N.D.	N.D.	-	-	-	+++	+++

c	J223.3 <i>futA</i>					J223.3 <i>futB</i>			
	1	ATGTTCCAAC	CCCTATTAGA	CGCCTTCATA		1	ATGTTCCAAC	CCCTATTAGA	CGCCTTCATA
		GAAAGCGCTT	CCATTGAAAA	AATGGCCTCT			GAAAGCGCTT	CCATTGAAAA	AATGGCCTCT
	61	AAATCTCCCC	CCCCCTAA	(STOP)		61	AAATCTCCCC	CCCCCTAAA	AATC etc.
				(SEQ ID NO: 5)					(SEQ ID NO: 5)
	J223.8 <i>futA</i>					J223.8 <i>futB</i>			
	1	ATGTTCCAAC	CCCTATTAGA	CGCCTTCATA		1	ATGTTCCAAC	CCCTATTAGA	CGCCTTCATA
		GAAAGCGCTT	CCATTGAAAA	AATGGCCTCT			GAAAGCGCTT	CCATTGAAAA	AATGGCCTCT
	61	AAATCTCCCC	CCCCCTAA	(STOP)		61	AAATCTCCCC	CCCCCTAA	(STOP)
				(SEQ ID NO: 5)					(SEQ ID NO: 6)